

protruded electrically conducting terminals extending along the side surfaces of the electrode layers and adapted for following the stretching and contraction of said pole-like laminate in the direction of height thereof,

wherein the electrode layers are joined to said outer electrode plates via said protruded electrically conducting terminals, and

wherein a glass layer is formed on the side surfaces of said pole-like laminate on where the outer electrodes are arranged to as to cover the side surfaces of the piezo-electric layers, and the root portions of said protruded electrically conducting terminals are buried in said glass layer.

7. A laminated piezo-electric device comprising:

a pole-like laminate formed by alternately laminating piezo-electric layers and electrode layers in the direction of height;

a pair of outer electrode plates formed on the different side surfaces of said pole-like laminate, a pair of neighboring electrode layers having said piezo-electric layer sandwiched therebetween being electrically connected at their side surfaces to the outer electrode plates which are different from each other; and

flexible protruded electrically conducting terminals on the side surfaces of said pole-like laminate on where the outer electrodes are arranged, said flexible protruded electrically conducting terminals extending along the side surfaces of the electrode layers and adapted for following the stretching and contraction of said pole-like laminate in the direction of height thereof,

wherein the electrode layers are joined to said outer electrode plates via said protruded electrically conducting terminals, and

wherein an electrically conducting member for preventing local heat generation is provided on the outer surfaces of said outer electrode plates, and an electric current is supplied to the outer electrode plates through said electrically conducting member.

9. A laminated piezo-electric device comprising:

a pole-like laminate formed by alternately laminating piezo-electric layers and electrode layers in the direction of height;

a pair of outer electrode plates formed on the different side surfaces of said pole-like laminate, a pair of neighboring electrode layers having said piezo-electric layer sandwiched therebetween being electrically connected at their side surfaces to the outer electrode plates which are different from each other; and

flexible protruded electrically conducting terminals on the side surfaces of said pole-like laminate on where the outer electrodes are arranged, said flexible protruded electrically conducting terminals extending along the side surfaces of the electrode layers and adapted for following the stretching and contraction of said pole-like laminate in the direction of height thereof,

wherein the electrode layers are joined to said outer electrode plates via said protruded electrically conducting terminals,

wherein a glass layer is formed on the side surfaces of said pole-like laminate on where the outer electrodes are arranged to as to cover the side surfaces of the piezo-electric layers, and the root portions of said protruded electrically conducting terminals are buried in said glass layer, and

wherein said protruded electrically conducting terminals are formed by applying an electrically conducting paste containing a glass powder and an electrically conducting metal powder onto the side surfaces of the pole-like laminate, followed by heating.